

Meeting Description: Michigan Geographic Framework Users Meeting

Date: February 2, 2006

Time: 10:00 a.m.

Location: Michigan Center for Geographic Information, George W. Romney Building,
10th Floor, Conference Room

- I. Approval of Meeting Minutes
- II. Geographic Framework Program
 - A. Framework Activities and Update
 - B. Digital Ortho Update
 - C. NHD Update
 - D. Conferences Update
- A. Framework Activities and Update

Krisanne McConnell, Center for Geographic Information (CGI) we are wrapping up our Act 51 Certification changes to get into Version 6. We just recently interviewed for 2 new Analysts positions.

B. Digital Ortho Update

Krisanne (CGI) not much new to add, we finalized a partnership with Allegan County. They flew in 2004. Rob Surber (CGI) just received a new application and will be following up with that.

C. NHD Update

Krisanne (CGI) - Everett Root (CGI) is gone today, but I got some information on their progress, this is the same map that we passed out last month, but for the area's shown in production they are wrapping up work on those. Everett completed some additional

training in early January, came back and is already preparing the planned areas. So, they are moving along with that project.

Charlie Hickman, United States Geological Survey (USGS) there is a new NHD newsletter that came out yesterday. If interested, I can add your name to the NHD mailing list for the newsletter. There were a couple of catalog units through the Toledo-Metro area that we got Homeland Security funding for the use of that.

D. Conferences Update

Krisanne (CGI) Rob wanted me to mention the Michigan Transportation Asset Management Conference, May 10, 2006 at the Kellogg Center in East Lansing, MI. Flyer can be located at <http://www.michiganltap.org/poster/index.html>. Also, the training for the Asset Management Data Collection Tool has been scheduled. It will take place at the Sheridan for the Michigan Association of Regions Board of Directors on Tuesday, February 14, 2006. Wednesday, February 15, 2006 there is a training scheduled in the Upper Peninsula (UP) at Sault St. Marie for Northern Michigan and the UP Regional Planning Agency. And then Tuesday, February 22, 2006 there is another training session here in Lansing at the Secondary Complex. That is being held for the Michigan Transportation Planners Association.

Steve Aichelle (USGS) you should have received information on the IMAGIN (Improving Michigan's Access To Geographic Information Networks) programs. The Conference will be held the week before the Transportation Asset Management Conference – May 1-3, 2006.

Valdis Kalnins, Allegan County – the MiCamp (Michigan County Association of Mapping Professionals) Conference is the September 12-13, 2006. Information will be forth coming.

III. MDNR Projects and Activities

Sherm Hollander, Michigan Department of Natural Resources (MDNR) there is a Wildlife Telemetry Project – collecting information from radio collared wildlife species. The initial pilot project is with wolves but we will expand to other species as well. They will be tracking and analyzing the movement patterns and location of various kinds of wildlife species. That project has been underway for a little while. There is also a parks infrastructure project. The intent is to develop a GIS program to help the park managers, planners and engineers to track and assess the conditions of all of the man-made facilities within state parks. Looking at tracking everything- buildings, roads, utilities, signage, pedestrian services, architectural structures, anything associated with park facilities.

IV. MDOT Projects and Activities

Joyce Newell, Michigan Department of Transportation (MDOT) we are continuing to work on our linear bridge layer. We are also working at creating interchanges map database file for all of the freeway interchanges. We are looking at the potential of adding that to our PR (Physical Reference Numbers) finder web site so people can have access to that. We are making good progress on our local road, federal aid: AADT (Annual Average Daily Traffic) count program map. We have gone through different Regions, MPO's (Metropolitan Planning Organizations) and they have been giving us segmentations and the count locations. We are putting those together on a one layer

maps, so that then we can go back to the Regions and MPO's and develop the count programs.

V. MDEQ Projects and Activities

David Slayton, Michigan Department of Environmental Quality (MDEQ) we are working with CGI on the LUST (Leaking Underground Storage Tank) database to get it out onto a web application for web mapping. We are also working on getting map image viewer installed on all of boxes in MDEQ. We are working on a script that will do that automatically without having to have someone touch each computer.

VI. MSP Projects and Activities

No representative present.

VII. MDCH Projects and Activities

No representative present.

VIII. MSI Projects and Activities

Charles Bender, Michigan State Industries (MSI) nothing new to add at this time.

IX. CGI Projects and Activities

Krisanne (CGI) we discussed at the last meeting about having a brown bag lunch following one of these meetings and maybe do some demonstrations. We mentioned the Fire Application but it won't be up until April 1, 2006. Then the other application mentioned was the ground water mapping. So, we will tentatively plan on the April meeting. I will prepare something and make sure our application is ready to go.

Ann Burns, Southeast Michigan Council of Governments (SEMCOG) we are working on a tool, internally, but we would be willing to share, to migrate data from one version of the Framework to another version. I received a 5-minute demo yesterday. It is written

where if you have a PR# and a mile point, it can go from version 1 –2, 2-3, 3-4, 4-5 and bring your data all up to speed. We could demo it although it is not much to look at. We could have folks test it and see if it works for anyone else. It is not in use yet. We would need to put together some documentation to show how it works and the logic behind how it works.

Joyce (MDOT) I had a question that came up yesterday. What is happening at CGI now in trying to upgrade the address ranges? What is in the plans?

Krisanne (CGI) right now it hinges on whether the QVF (Qualified Voter File) to the Map process goes through.

X. MSU Remote Sensing and GIS Research and Outreach Services and Projects and Activities

Justin Booth, Michigan State University (MSU) the 2005 NAIP (National Agriculture Inventory Program) is on schedule for delivery in the spring. We have some GIS training coming up in the middle of March at the new Geography Building. You can check our web site for more information at: www.msu.edu.

XI. County/Local Projects and Activities

Rosemary Anger, Barry County – spent most of December working on classifying a satellite image for the Natural Features Inventory (NFI). The planning and zoning director initiated a new project for the year to re-address the county. After 3-weeks into the year we were averaging 1 major re-address to a segment a week. They calculated that they could re-address the entire county in 5 –years when they passed the ordinance in 1998, then the real estate market took off and other things took priority such as building permits, zoning inspections and so forth. So, now it is back on the front burner to do.

And last of all we do have an official GIS IT staff now. The staff will install AccuGlobe Viewers to most if not all of the employee's desktops.

Lonnie Finch, Ionia County – we just delivered our 2005 Ortho's to CGI this morning. We are currently taking those photos and laying our parcels and centerlines on it, stretching it to make it more accurate. We are also implementing a point addressing project.

Bob Carra, Genesee County – we are partnering with CGI to update the Framework. We have been submitting new streets and changes to CGI over the last few months. We are hoping to get the next release updates included. Both of our core stations we put in are up and operational. We have a couple of GPS (Global Position Systems) projects going on. We are also waiting on the aerial photo flight to take place for Pictometry later this spring. We have been updating our system so we can store all of the imagery that we will be getting. And we have been working on some ArcIMS applications internally. We will have something available, a parcel viewer later this year.

Trevor Floyd, St. Clair County – our aerial imagery was received on Friday. We spot-checked a few tiles and we're going to try to load it up into ArcSDE.

Valdis Kalnins, Allegan County – with regards to the re-addressing, in places where you can't put in reordinances, where there is no county rule, you can tie it to a land transfer process. So, that anytime there is a land transfer, a transfer of ownership, that address must be corrected. Not sure how you can make it work, but it is an idea. I just gave my annual report to the board and last year was a good year for us. We doubled the number of external invoice requests. We brought in 283 requests resulting in \$27,000 in external revenue. We resumed our partnership with FEMA (Federal Emergency Management

Agency) they are back from the Hurricane. Our plans are to map a 100-year old flood plain in the county directly through them rather than through a consultant or an engineering firm. We have also been working the Road Commission using Roadsoft , sharing data back and forth. We have a request from the USDA (United States Department of Agriculture) to get our digital elevation model for soil polygons. But the issue would be funding. The last thing is that we got a call from the courts and they want to try and better manage the sex offenders in the county. They are suppose to be living beyond a 1000 feet from school property. They know where the schools are, but they don't know where the boundaries are. There are some properties without buildings on them and so forth. We are trying to set them up with the Accuglobe free viewer. You can see the school parcels, the 1000-foot buffer and then the additional selected parcels and address points. They have to approve or be able to a change an address every time someone comes into a county and apply for a new address. They will be able to look at that and it should save them a lot of time. It would save the county having to move someone after the fact.

XII. Regional Projects and Activities

Ann Burns, Southeast Michigan Council of Governments (SEMCOG) we are working on the flight. We have just taken delivery of the 6-inch pixel resolution for QC (Quality Control) purposes. St Clair and Macomb Counties will be starting their QC's. We should be taking delivery of the imagery through March and then wrap up QC, get corrections done, then start taking delivery of the 1-foot and the 2-foot as well. Our other big project is our Geo Database migration. We have been working on it for a year and we

are just now having users internally start hitting the Geo database rather than the coverage in the shape file.

Dan Dillinger, Tri-County Regional Planning Commission (TCRPC) we are wrapping up our aerial photo project. We are hoping to see the final product by mid February. We had an interesting application from a school district that were unsure where to put some kids that were in some apartments. The CGI street layer was better than what the school district had. The air photo and the parcel data combined with what CGI had helped out in that situation.

XIII. Federal Projects and Activities

Steve Aichele, United States Geological Survey (USGS) we are doing an upgrade to the 1-100K NHD (National Hydrologic Database) coming around this spring. It involves a few Arc edits, but the big features involved include watersheds, so there are drainage areas associated with it. These are derived from the standard DEM (Digital Elevation Model.) We have a draft copy that we are working on. Michigan and Wisconsin have developed some methods to fix the water- sheds. The draft should be available mid-March.

Charlie Hickman, USGS – we have had some requests for information for Michigan. Such as someone looking for springs statewide and another to list their Arc IMS Server. There was a request from a Glen O’Neil from Michigan State University. He has been using the elevations that USGS has statewide. The old elevations are called DEM’s (Digital Elevation Model) they are 30-meter or in some places 10-meter spacing. The elevations we have on-line now are called National Elevation Data Set (NEDS.) We made them more seamless and took out the arc facts that we could and some filtering has

been done. For Michigan the NEDS are mostly 30-meter. We call it 1 arc second because we use latitude and longitude. There are a few places where we have 10-meter, mostly in the National Forest areas. This person from MSU had been using the NEDS and liked the 10-meter. He wanted to know what the time lines were for us to complete the state for the higher resolution NEDS. There is no time line. We will do it as the CGI does it.

The last couple of years we have gotten some Federal funds that come through the USGS to help the Ortho program. In the past, we have asked for a public version of the Orthos, now whenever we have the funds, we will ask for the elevation data. We would like to get the state done at 10-meter statewide. The USDA (United States Department of Agriculture) and FEMA both need the elevations as well.

Valdis Kalnins, Allegan County – I believe of the requirements to get funding from FEMA as a county to do the mapping, you have to share the elevation model in some capacity.

Charlie Hickman (USGS) we are still trying to come up with money for the next round of Michigan's Ortho efforts with the county. Our funding efforts right now have been with the Defense Department and Homeland Security and their priorities have been urban areas.

Lonnie Finch, Ionia County – have you guys thought about coming up with some criteria and then going out to bid on for a company to do the flyovers. There is such a wide range of cost. If the State, or Federal Gov't., could get the price down to do this, then you may get a lot more counties involved in the process.

Charlie (USGS) there is a program that we are trying to get going now called Imagery For the Nation. It probably won't start until 2008. It would be a 5-year cycle for Federally funded imagery and then states and counties could have options to buy-up. For Michigan, it would probably be 1-foot statewide imagery. The counties could buy the 6-inch. NSGIC (National States Geographic Information Council) has been lobbying for the Imagery For the Nation.

XIV. Other Issues

Joyce (MDOT) just one more item to add. Both Asset Management and our AADT (Annual Average Daily Traffic) data collection is dependant upon doing it for Federal aide roads. The National Functional Class (NFC) #8 roads, which are the rural minor (collector) roads, are no longer eligible for federal aide. Not sure what that will mean for the Asset Management Data Collection for next year.

X. Next Meeting Date

March 2, 2006 10 a.m. until 12 p.m., Michigan Center for Geographic Information,
George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933